

**Amendments to the Claims**

Claims 1-12 (Canceled)

13. (currently amended) Foamable compositions which are usable for the manufacture of foamed, flexible, heat resistant, thermoplastic elastomeric articles, and which comprise at least:

(a) 100 parts by weight of one or more selectively hydrogenated block copolymers, having at least two resinous blocks A of non-hydrogenated predominantly polymerized monovinyl arene, and a selectively hydrogenated elastomeric block B, wherein said block B prior to hydrogenation being predominantly a polymerized conjugated diene ~~or dienes of polybutadiene~~, said block copolymer having a total apparent molecular weight of at least 250 kg/mole ~~and preferably at least 350 kg/mole~~, and containing polymerized monovinyl arene blocks of true molecular weight of at least 18 kg/mole,

(b) 5 to 50 parts by weight of one or more selectively hydrogenated block copolymers having at least two resinous blocks A' of non-hydrogenated predominantly polymerized monovinyl arene, and an selectively hydrogenated elastomeric block B', wherein said block B' prior to hydrogenation has been derived from a polymerized conjugated diene or dienes as a major component which may be mixed with minor proportions of other copolymers (e.g. vinyl aromatic) i.e.  $\leq 25$  wt%, and said block copolymer having a total apparent molecular weight in the range of from 50 to 180 kg/mole, while the resinous blocks A' shown an true molecular weight in the range of from 3 to 20 kg/mole,

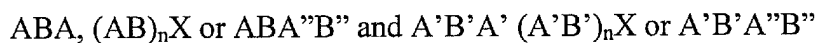
(c) from 25 to 80 parts by weight of a linear crystalline polymer comprising propylene as major component, with a Vicat softening temperature in the range of from 130°C to 180°C and a MFR in the range of from 0.5 to 30 dg/min and a polydispersity index of at least 4.5,

(d) from 100 to 250 parts by weight of a softener compatible with blocks B and B',

(e) from 0.01 to 3 wt%, relative to the weight of the primary components (a) up to (e) of a solid chemical nucleating agent of the endothermic group in combination with a blowing agent, and optionally

(f) one or more secondary components selected from PPO and/or any resins compatible with block copolymer component (a), antioxidants, UV-stabilizers, flame retardants, surface modifying agents and inorganic fillers.

14. (previously presented) The foamable compositions of claim 13, which comprise as components (a) and (b) at least one block copolymers of the general formulae



respectively, wherein A, A' and A'' represent a poly(monovinyl arene) block and B, B' and B'' represent a hydrogenated poly(conjugated diene(s)) block, wherein n is an integer  $\geq 2$  and wherein X is the remainder of a coupling agent, wherein the blocks A, A' and A'' are different and the blocks A are larger than the blocks A', which are in turn larger than A'', while the blocks B and B' are larger than B''.

15. (previously presented) The foamable compositions of claim 14, wherein the block copolymer component (a) has the formula ABA or  $(\text{AB})_n\text{X}$ , has a total apparent molecular weight in the range of from 250,000 to 600,000, wherein A represents a substantially pure poly(styrene) block and wherein the poly(styrene) block content in said block copolymer (a) is in the range of from 20 to 35 wt% and wherein B represents a hydrogenated poly(butadiene) block.

16. (previously presented) The foamable compositions of claim 14, wherein the block copolymer component (b) has the formula  $\text{A}'\text{B}'\text{A}'$  or  $(\text{A}'\text{B}')_n\text{X}$ , has a total apparent molecular weight in the range of from 80 to 160 kg/mole, wherein A' represents a substantially pure poly(styrene) block, each having a molecular weight in the range of from 5 to 15 kg/mole.

17. (previously presented) The foamable compositions of claim 13, wherein the weight ratio between the block copolymer components (a) and (b) is in the range of from 10 to 40 parts by weight of component (b) per 100 parts by weight of component (a).

18. (previously presented) The foamable compositions of claim 13, wherein component (c) is a single polymer or a mixture of polymers predominantly composed of propylene monomer or a copolymer of predominantly propylene with a minor proportion of a different alkylene selected from ethylene or butylenes, i.e. less than 25 wt% of the monomer mixture.

19. (previously presented) The foamable compositions of claim 18, wherein component (c) has a melt flow range between 2 and 15 dg/min at 230°C/2.16 kg, a Vicat softening temperature in the range of from 130 to 170°C, and occurs in a weight ratio of from 42 to 65 parts by weight of (c) per 100 parts by weight of (a).
20. (previously presented) The foamable compositions of claim 19, wherein the component (c) shows a polydispersity index  $\geq 5$ .
21. (previously presented) The foamable compositions of claim 13, wherein component (d) is a paraffinic oil.
22. (previously presented) The foamable compositions of claim 13, wherein component (e) is selected from mixtures of  $\text{NaHCO}_3$  and citric acid or sodium citrate, on amounts of from 0.5 to 1 wt%, relative to the weight of components (a) up through (e).
23. (previously presented) The foamable compositions of claim 14, wherein
- i) the block copolymer component (a) has the formula  $\text{ABA}$  or  $(\text{AB})_n\text{X}$ , has a total apparent molecular weight in the range of from 250,000 to 600,000, wherein A represents a substantially pure poly(styrene) block and wherein the poly(styrene) block content in said block copolymer (a) is in the range of from 20 to 35 wt% and wherein B represents a hydrogenated poly(butadiene) block;
  - ii) the weight ratio between the block copolymer components (a) and (b) is in the range of from 10 to 40 parts by weight of component (b) per 100 parts by weight of component (a);
  - iii) component (c) is a single polymer or a mixture of polymers predominantly composed of propylene monomer or a copolymer of predominantly propylene with a minor proportion of a different alkylene selected from ethylene or butylenes, having a melt flow range between 2 and 15 dg/min at 230°C/2.16 kg, a Vicat softening temperature in the range of from 130 to 170°C, and occurs in a weight ratio of from 42 to 65 parts by weight of (c) per 100 parts by weight of (a);
  - iv) component (d) is a paraffinic oil; and

v) component (e) is selected from mixtures of  $\text{NaHCO}_3$  and citric acid or sodium citrate, on amounts of from 0.5 to 1 wt%, relative to the weight of components (a) through (e).

24. (previously presented) The foamable compositions of claim 14, wherein

i) the block copolymer component (b) has the formula  $\text{A}'\text{B}'\text{A}'$  or  $(\text{A}'\text{B}')_n\text{X}$ , has a total apparent molecular weight in the range of from 80 to 160 kg/mole, wherein  $\text{A}'$  represents a substantially pure poly(styrene) block, each having a molecular weight in the range of from 5 to 15 kg/mole;

ii) the weight ratio between the block copolymer components (a) and (b) is in the range of from 10 to 40 parts by weight of component (b) per 100 parts by weight of component (a);

iii) component (c) is a single polymer or a mixture of polymers predominantly composed of propylene monomer or a copolymer of predominantly propylene with a minor proportion of a different alkylene selected from ethylene or butylenes, having a melt flow range between 2 and 15 dg/min at  $230^\circ\text{C}/2/16$  kg, a Vicat softening temperature in the range of from  $130$  to  $170^\circ\text{C}$ , and occurs in a weight ratio of from 42 to 65 parts by weight of (c) per 100 parts by weight of (a);

iv) component (d) is a paraffinic oil; and

v) component (e) is selected from mixtures of  $\text{NaHCO}_3$  and citric acid or sodium citrate, on amounts of from 0.5 to 1 wt%, relative to the weight of components (a) through (e).

25. (currently amended) Foamed articles comprising

(a) 100 parts by weight of one or more selectively hydrogenated block copolymers, having at least two resinous blocks A of non-hydrogenated predominantly polymerized monovinyl arene, and a selectively hydrogenated elastomeric block B, wherein said block B prior to hydrogenation being predominantly a polymerized conjugated diene ~~or dienes of polybutadiene~~, said block copolymer having a total apparent molecular weight of at least 250 kg/mole ~~and preferably at least 350 kg/mole~~, and containing polymerized monovinyl arene blocks of true molecular weight of at least 18 kg/mole,

(b) 5 to 50 parts by weight of one or more selectively hydrogenated block copolymers having at least two resinous blocks  $\text{A}'$  of non-hydrogenated predominantly polymerized monovinyl arene, and an selectively hydrogenated elastomeric block  $\text{B}'$ , wherein said block  $\text{B}'$

prior to hydrogenation has been derived from a polymerized conjugated diene or dienes as a major component which may be mixed with minor proportions of other copolymers (e.g. vinyl aromatic) i.e.  $\leq 25$  wt%, and said block copolymer having a total apparent molecular weight in the range of from 50 to 180 kg/mole, while the resinous blocks A' shown an true molecular weight in the range of from 3 to 20 kg/mole,

(c) from 25 to 80 parts by weight of a linear crystalline polymer comprising propylene as major component, with a Vicat softening temperature in the range of from 130°C to 180°C and a MFR in the range of from 0.5 to 30 dg/min and a polydispersity index of at least 4.5,

(d) from 100 to 250 parts by weight of a softener compatible with blocks B and B',

(e) from 0.01 to 3 wt%, relative to the weight of the primary components (a) up to (e) of a solid chemical nucleating agent of the endothermic group in combination with a blowing agent, and optionally

(f) one or more secondary components selected from PPO and/or any resins compatible with block copolymer component (a), antioxidants, UV-stabilizers, flame retardants, surface modifying agents and inorganic fillers.

26. (currently amended) Pre-blends for the preparation of the foamable compositions of claim 13, comprising either:

(A) components (a), (c) and (d) wherein (a) is one or more selectively hydrogenated block copolymers, having at least two resinous blocks A of non-hydrogenated predominantly polymerized monovinyl arene, and a selectively hydrogenated elastomeric block B, wherein said block B prior to hydrogenation being predominantly a polymerized conjugated diene ~~or dienes of polybutadiene~~, said block copolymer having a total apparent molecular weight of at least 250 kg/mole ~~and preferably at least 350 kg/mole~~, and containing polymerized monovinyl arene blocks of true molecular weight of at least 18 kg/mole; (c) is a linear crystalline polymer comprising propylene as major component, with a Vicat softening temperature in the range of from 130°C to 180°C and a MFR in the range of from 0.5 to 30 dg/min and a polydispersity index of at least 4.5; and (d) a softener compatible with blocks B and B'; or

(B) components (b), (c) and/or (d) wherein (b) is one or more selectively hydrogenated block copolymers having at least two resinous blocks A' of non-hydrogenated predominantly polymerized monovinyl arene, and an selectively hydrogenated elastomeric block B', wherein

said block B' prior to hydrogenation has been derived from a polymerized conjugated diene or dienes as a major component which may be mixed with minor proportions of other copolymers (e.g. vinyl aromatic) i.e.  $\leq 25$  wt%, and said block copolymer having a total apparent molecular weight in the range of from 50 to 180 kg/mole, while the resinous blocks A' shown an true molecular weight in the range of from 3 to 20 kg/mole; (c) is a linear crystalline polymer comprising propylene as major component, with a Vicat softening temperature in the range of from 130°C to 180°C and a MFR in the range of from 0.5 to 30 dg/min and a polydispersity index of at least 4.5; and (d) a softener compatible with blocks B and B'.